Atty Docket No.: 200312488-1 App. Scr. No.: 10/769,530

IN THE CLAIMS:

Please find below a listing of all of the pending claims. The statuses of the claims are set forth in parentheses.

1. (Original) An imaging method, comprising:

forming on a surface an ink layer having an electrorheological fluid composition comprising a suspension of colorant particles dispersed in an electrically insulating carrier fluid;

projecting a charge image onto the ink layer to selectively form charge-stiffened regions adhering to the surface; and

physically separating non-charge-stiffened ink layer components from the chargestiffened regions; and

performing an electrostatic transfer of at least a portion of the ink layer to a receptor substrate.

- (Original) The method of claim 1 wherein the surface comprises an electrically conductive surface.
- 3. (Withdrawn) The method of claim 1 wherein the surface comprises an electrically insulating layer supported by an electrically conductive substrate.
- 4. (Withdrawn) The method of claim 3 wherein said electrically insulating layer is selected from the group consisting of thermoset resins, thermoplastic resins, inorganic glasses, and inorganic oxides.

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5. (Withdrawn) The method of claim 3 wherein said electrically insulating layer has a thickness from about 1 to 500 micrometers.

- 6. (Original) The method of claim 1, wherein the colorant particles and the electrically insulating carrier fluid are characterized by different respective dielectric constants.
- 7. (Original) The method of claim 6, wherein the dielectric constant of the colorant particles is higher than the dielectric constant of the electrically insulating carrier fluid.
- 8. (Original) The method of claim 1, wherein the colorant particles are characterized by a diameter of about 5 µm or less.
- 9. (Original) The method of claim 8, wherein the colorant particles are characterized by a diameter of about 1 μm to about 2 μm .
- 10. (Original) The method of claim 1 wherein said electrically insulating carrier fluid is selected from the group consisting of aliphatic ink oils, mineral oils, mineral spirits, paraffinic fluids, paraffin oils, Magisol 44, and Isopar.
- 11. (Original) The method of claim 1, wherein the ink layer is characterized by a viscosity of about 50 cps to about 5,000 cps.

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- 12. (Original) The method of claim 11, wherein the ink layer is characterized by a viscosity of about 100 cps.
- 13. (Original) The method of claim 1, wherein the ink layer is substantially anhydrous.
- 14. (Original) The method of claim 1, wherein the ink layer has a thickness of about $3 \mu m$ to about $100 \mu m$.
- 15. (Original) The method of claim 1, wherein projecting the charge image comprises selectively delivering charge species to the Ink layer regions to be chargestiffened.
- 16. (Original) The method of claim 1, wherein the charge-stiffened regions are characterized by a charge exposure density of about 1-100 nanocoulombs/cm².
- 17. (Original) The method of claim 1, wherein non-charge-stiffened ink layer components are physically separated from the charge-stiffened regions by applying a shearing force to the ink layer.
- 18. (Original) The method of claim 17, wherein applying a shearing force comprises delivering a flow of a gas across the surface of the ink layer.

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19. (Withdrawn) The method of claim 17, wherein applying a shearing force comprises sweeping a blade across the surface of the ink layer.

- 20. (Withdrawn) The method of claim 19, wherein the blade is characterized by a durometer hardness of about 50 Shore A, or less.
- 21. (Withdrawn) The method of claim 17, wherein applying a shearing force comprises rolling a cylindrical roller across the surface of the ink layer.
- 22. (Withdrawn) The method of claim 17, further comprising generating a region of reduced air pressure in the vicinity of the ink layer.
- 23. (Original) The method of claim 17, further comprising delivering a diluent to the ink layer.
- 24. (Original) The method of claim 23, wherein the diluent is delivered before the shearing force is applied.
- 25. (Original) The method of claim 23, wherein the diluent has the same composition as the electrically insulating carrier fluid.
- 26. (Original) The method of claim 23, wherein the diluent is delivered in the form of a spray.

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27. (Withdrawn) The method of claim 17, wherein the act of applying a shearing force comprises directing a liquid spray toward the ink layer.

- 28. (Original) The method of claim 1, wherein the projected charge image corresponds to a desired final image, and the portion of the ink layer transferred comprises the charge-stiffened ink layer regions.
- 29. (Original) The method of claim 1 wherein performing the electrostatic transfer comprises charging the receptor substrate with a corona.
- 30. (Original) The method of claim 1 wherein performing the electrostatic transfer comprises applying an electrical bias to the receptor substrate.
- 31. (Original) The method of claim 30 wherein the electrical bias is applied by contact with an electrically biased roller.
- 32. (Original) The method of claim 1 wherein the receptor substrate comprises a print media.
- 33. (Original) The method of claim 1 wherein the receptor substrate comprises an elastomer image carrier.

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34. (Original) The method of claim 33 further comprising transferring an image from the image carrier to a print media.

- 35. (Original) The method of claim 1, wherein the projected charge image corresponds to a reverse image of a desired final image, and the portion of the ink layer transferred comprises the non-charge-stiffened ink layer components to a receptor substrate.
 - 36. (Currently amended) An imaging system, comprising: a surface;

an inking system operable to form on the surface of <u>one of either</u> an electrically insulating <u>or electrically conductive</u> layer an ink layer having an electrorheological fluid composition comprising a suspension of colorant particles dispersed in an electrically insulating carrier fluid;

a charge imaging print-head operable to project a charge image onto the ink layer to selectively form charge-stiffened regions adhering to the electrically insulating layer and representing respective regions of the projected charge image;

a developer assembly operable to apply a shearing force to the ink layer to physically separate non-charge-stiffened ink layer components from the charge-stiffened regions; and a transfer assembly operable to electrostatically transfer at least a portion of the ink

layer to a receptor substrate.

37. (Original) The system of claim 36, wherein the surface is electrically conductive.

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38. (Withdrawn) The system of claim 36, wherein the surface comprises an electrically insulating layer supported by an electrically conducting substrate.

- 39. (Original) The system of claim 36, wherein the projected charge image corresponds to a desired final image, and wherein the portion of the ink layer transferred comprises the charge stiffened ink layer regions.
- 40. (Original) The system of claim 36, wherein the projected charge image corresponds to a reverse image of a desired final image and the portion of the ink layer transferred comprises the non-charge-stiffened ink layer components.